



JP11057477A: EXHAUST GAS CLEANING CATALYST AND METHOD OF USING THE SAME

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Application Number: JP1997000217444

IPC Class: B01J 023/89; B01D 053/94;

Abstract: **Problem to be solved:** To provide an exhaust gas cleaning catalyst and method of using the same, having an enhanced NOx cleaning capacity under a lean atmosphere in which catalysts of the prior arts cannot demonstrate sufficient activity and fully exhibiting a function as a tertiary catalyst.

Solution: At least two kinds of catalysts are provided against an exhaust gas stream, and the two kinds of the catalysts contain at least one kind of noble metal selected from the group consisting of platinum, palladium and rhodium and a complex oxide represented by the formula: $(La1-xAx)1-\alpha BO\delta$ (wherein $0 < x < 1$, $0 < \alpha < 0.2$, and δ is oxygen amount which satisfies valence of each atom, A = barium or potassium, B = at least one kind selected from the group consisting of iron, cobalt, nickel and manganese) and the catalyst disposed in a front step with regard to an exhaust gas stream contains a larger amount of the composite oxide than a catalyst disposed in a rear step.

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Foreign References: none

(No patents reference this one)



Alternative



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